**Applied Physics Ms. Flarend Rm 209**

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**http://msflarendswiki.wikispaces.com/**

**What is Applied Physics?**

Physics tries to explain and predict the physical world through concepts and mathematics. Topics we will study include motion, energy, nuclear physics, electricity, sound and light.

This Applied Physics Course will focus on connecting physics to the world around you. The focus will be on explaining physical phenomena and NOT on mathematical calculations. Collection & analysis of experimental data will be a major component of this course.

**Expectations: *see “policies” handout for more specific information***

*Physics is best learned while actively doing physics.* This course is designed around projects, with one culminating project at the end of each chapter. Participation is a sizable portion of grade. Participation includes coming to class with proper materials, **actively engaging in all class activities** and proper use of laboratory materials. I will not hesitate to give you a ZERO for a lab grade if you do not participate in the lab. You will be given a warning when I feel you are not participating.

Homework will be assigned lightly and generally you will be given 2 days or more to complete it. **In general, no credit will be given for assignments turned in more then 1 day late.**

Tests include conceptual questions, laboratory-based problems and a few numerical problems. Questions from all classroom activities are fair game for test material.

A Portfolio will be assembled each marking period according to criteria available on the wiki space and handed out in class. In order to complete this successfully, you will need to keep your papers organized in a binder.

**You must bring your binder/folder to class everyday.**

**Grades**

Below is the **approximate** grade breakdown. Everything is graded on a point basis.

1. Tests/Quizzes 30%

* Projects/labs 50%
* Homework/Assignments 20%